As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

New Ligands for Metals and Improved Metal-Catalyzed Processes Based Thereon

the specification of which (check one):	(X) is attached hereto () was filed on as United States Application PCT International Application Number was amended on (if applicable).	on Number, and				
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.						
I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56.						
I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.						
Prior Foreign Application(s)		Priority Claimed				
≐ √(Number) (C	Country) (Day/Month/Year Filed)	() Yes () No				
	United States Code, § 119(e) of any United States Provi	isional application(s) listed				
(Application Number) (Filing	g Date)					
I hereby claim the benefit under Title 35, below.	United States Code, § 119(e) of any United States Provi	isional application(s) listed				
(Application Number) (Filing	g Date)					
I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.						
(Application Number) July 10, 19 (Filing Date	pending (Status - patented, pending, above)	andoned)				
(Application Number) (Filing Date	(Status - patented, pending, about	andoned)				
I hereby appoint Beth E. Arnold, Reg. No. 35,430; Charles H. Cella, Reg. No. 38,099; Edward J. Kelly, Reg. No. 38,936; Donald W. Muirhead, Reg. No. 33,978; Anita Varma, Reg. No. P-43,221; and Matthew P. Vincent, Reg. No. 36,709 as attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.						
Address all telephone calls to Matthew P. Vincent, Esq. at telephone number (617) 832-1299.						
Address all correspondence to:	Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-2170					

belief are believed to be true; and fix that these statements were made with the knowledge are willful false statements and that is so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of first inventor (given name, family name) Stephen L. Buchwald Inventor's signature Residence 25 Lancaster Road, Newton, MA 02158 Citizenship U.S.A.
Post Office Address same as above Full name of second inventor (given name, family name) David W. Old Inventor's signature _ Date Residence 7 Adams Street, #2, Somerville, MA 02145 Citizenship U.S.A. Post Office Address same as above Full name of third inventor (given name, family name) John P. Wolfe Inventor's signature Date Residence 18 Glencoe Street, #16, Brighton, MA 02135 Citizenship U.S.A. Post Office Address same as above Full name of fourth inventor (given name family name) Michael Palucki Inventor's signature Muchael Palucki
Date February 1999 Residence 3 Horseshoe Drive, Belle Meade, New Jersey 08502 Citizenship U.S. Post Office Address same as above Full name of first inventor (given name, family name) Ken Kamikawa Inventor's signature Residence 147 Winthrop Road, #4, Brookline, MA 02146
Citizenship U.S.A.
Post Office Address same as above Date 4 1 1 = j U IJ 1

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	09/113.478July 10, 19	98	pending			
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Date 2/18/19 Residence 25 Lancaster Road, Newton, MA 02158 Citizenship U.S.A. Post Office Address same as above Full name of second inventor (given name, family name) David W. Old Inventor's signature Date 2/1/19
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